Overhead on a Proxied Connection Attorney Docket No. 062891.1136 Inventors: Brantley W. Coile et al. Filed: July 17, 2003 Sheet 1 of 10

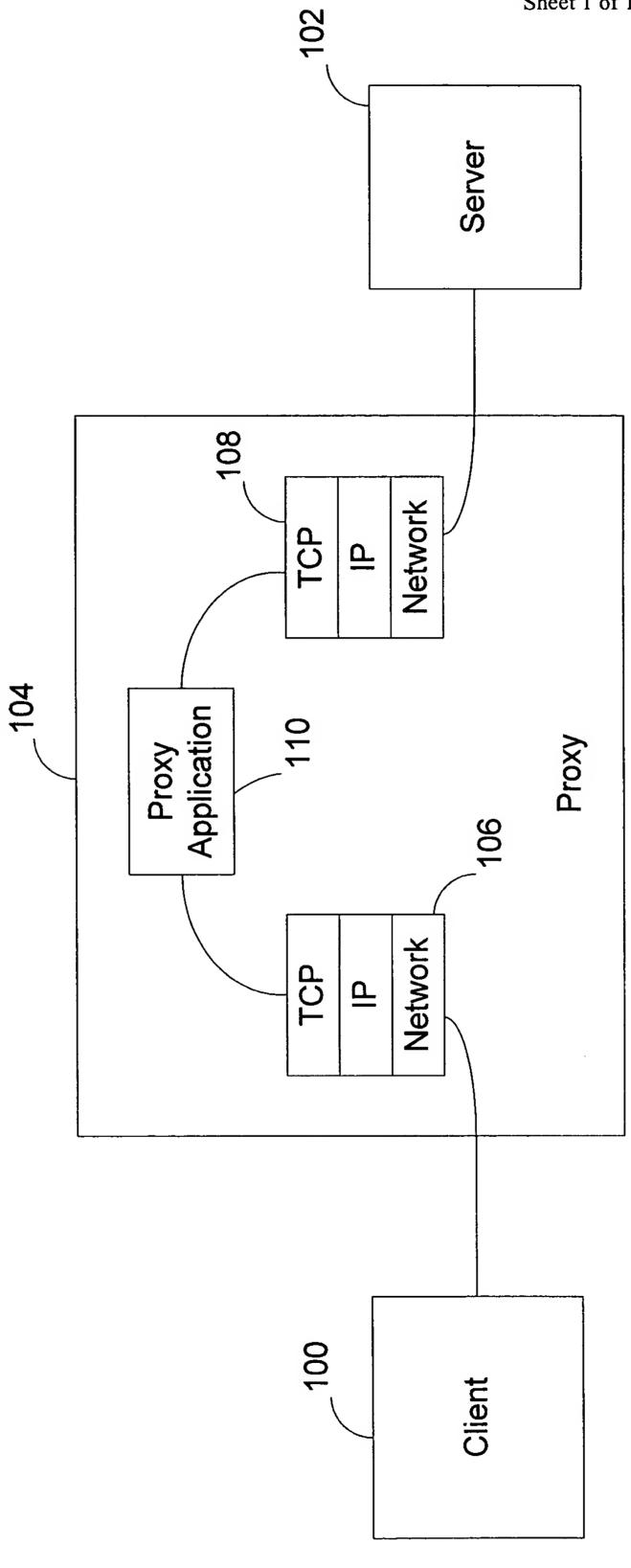
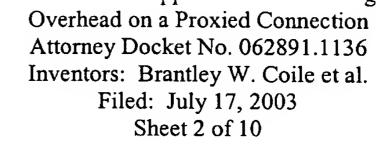


Fig. 1



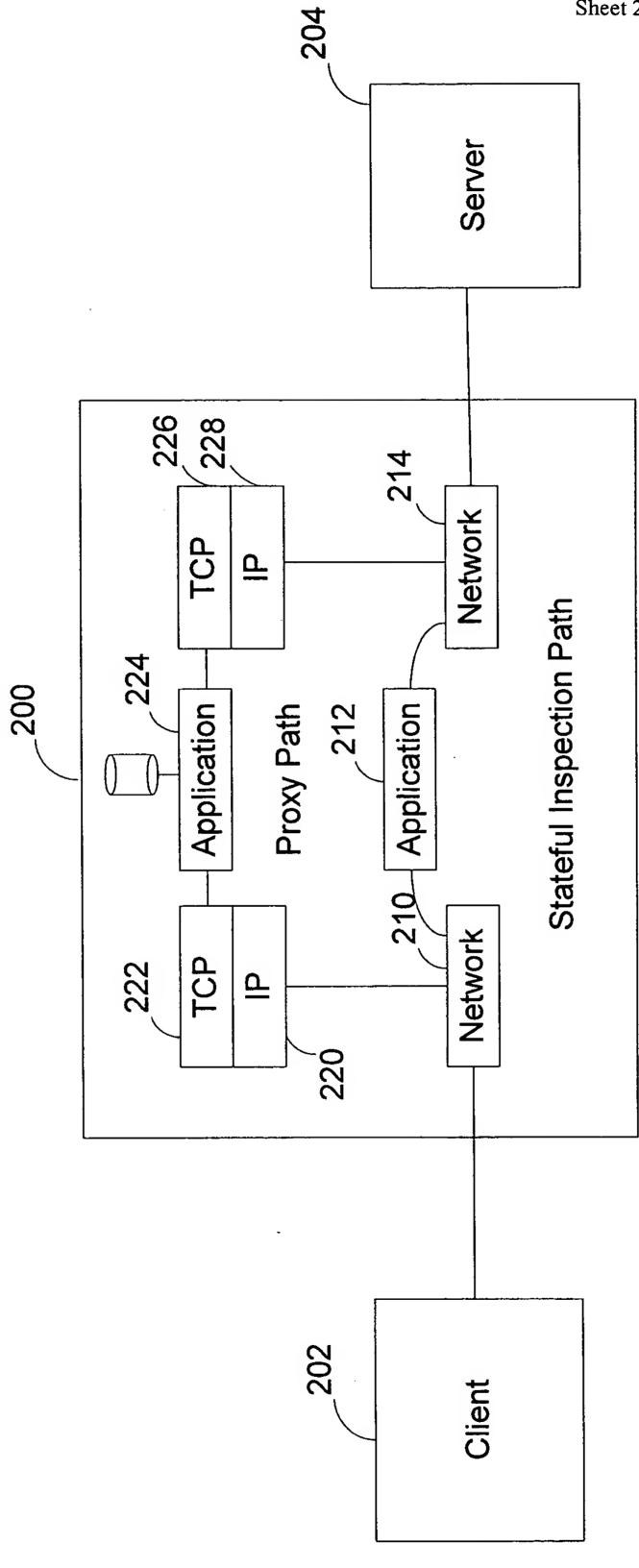


Fig. 2

Attorney Docket No. 062891.1136 Inventors: Brantley W. Coile et al. Filed: July 17, 2003 Sheet 3 of 10 314 Proxy local application 312 **Participating** TCP 310 application Setup proxy Remainder of IP layer 320 304 Intercepting Non-participating Intercepting controller 1 300 306 controller 2 application IP address resolution 308 302 Drop

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Fig. 3

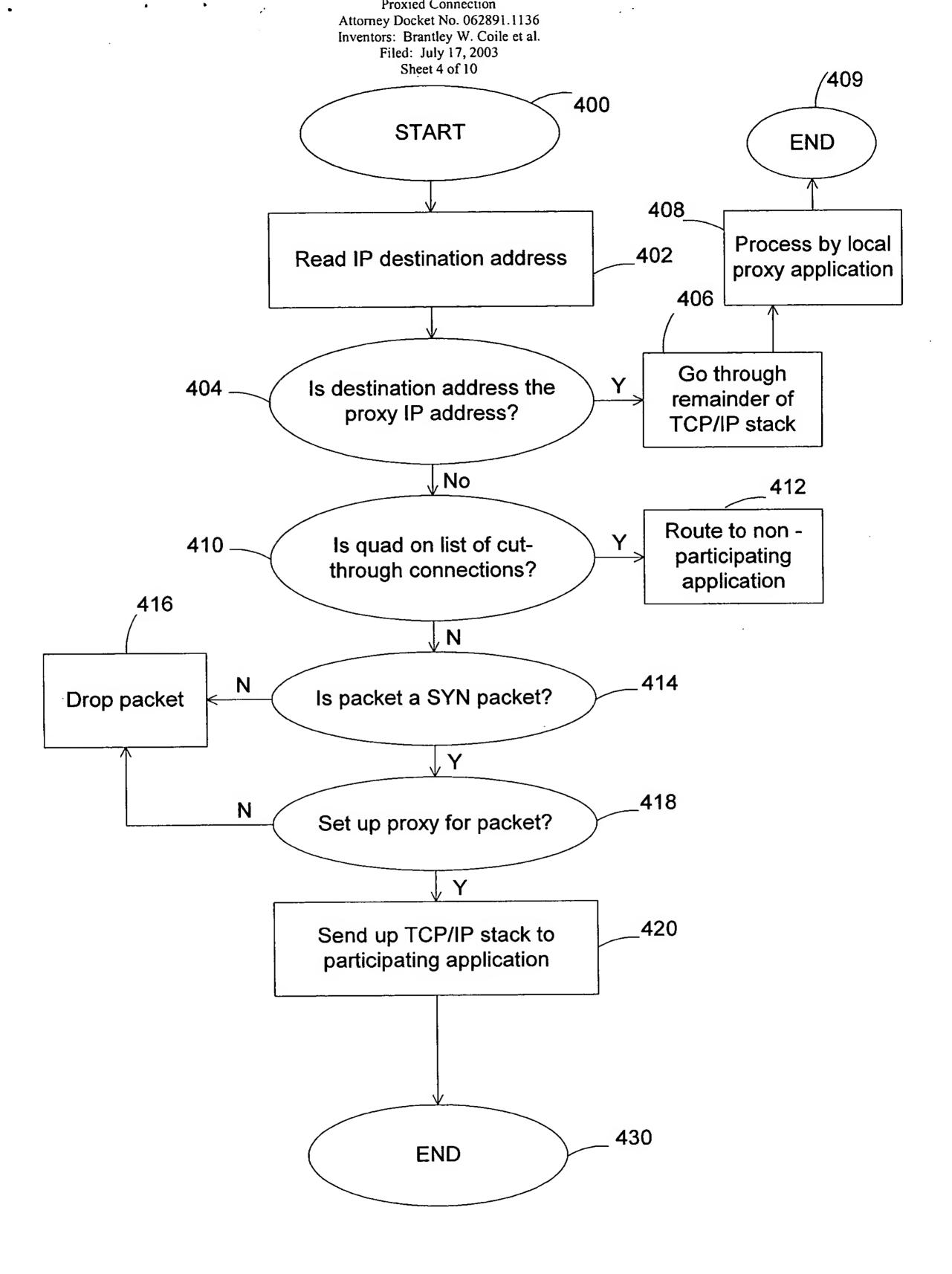


Fig. 4

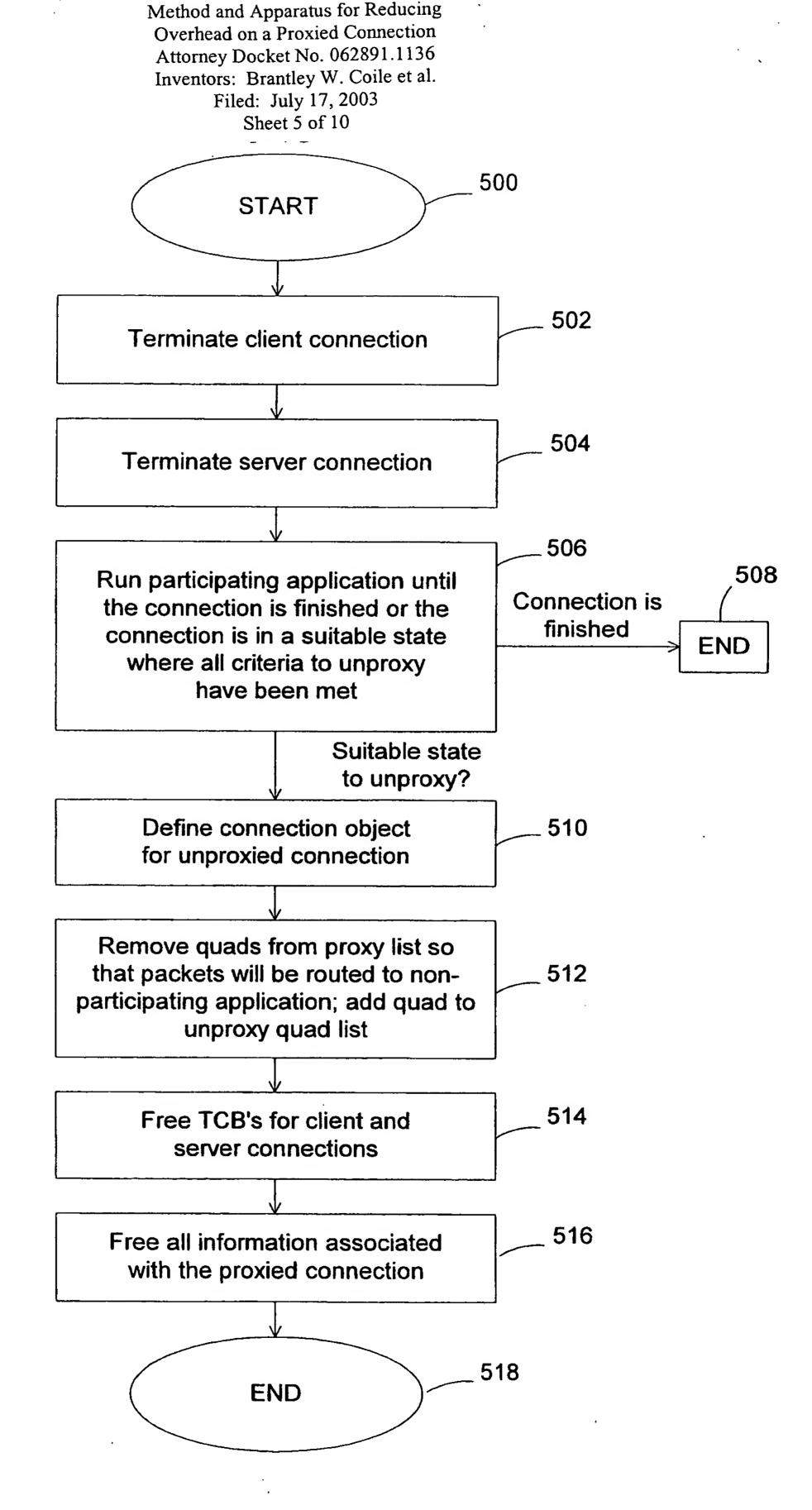


Fig. 5

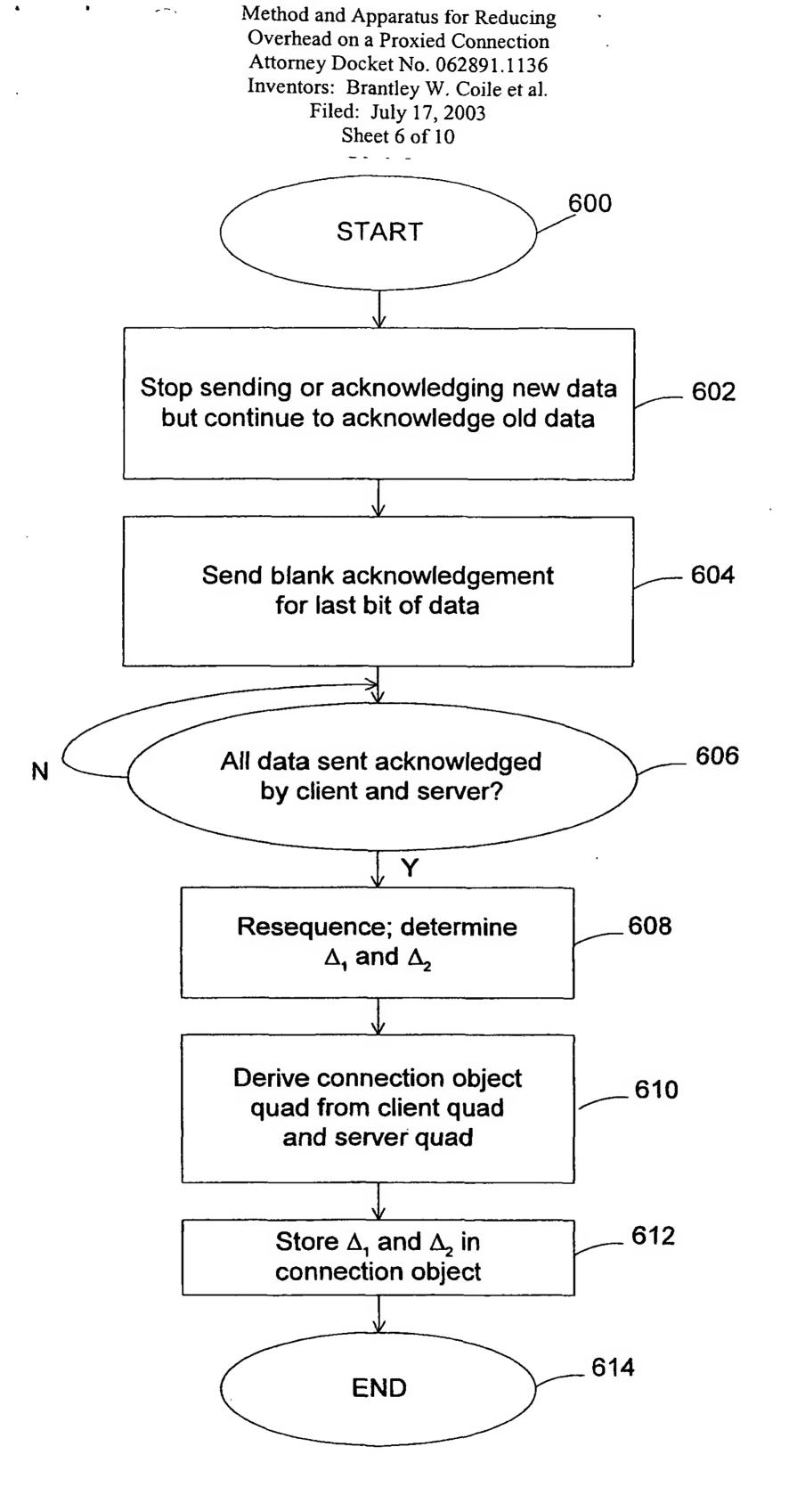


Fig. 6

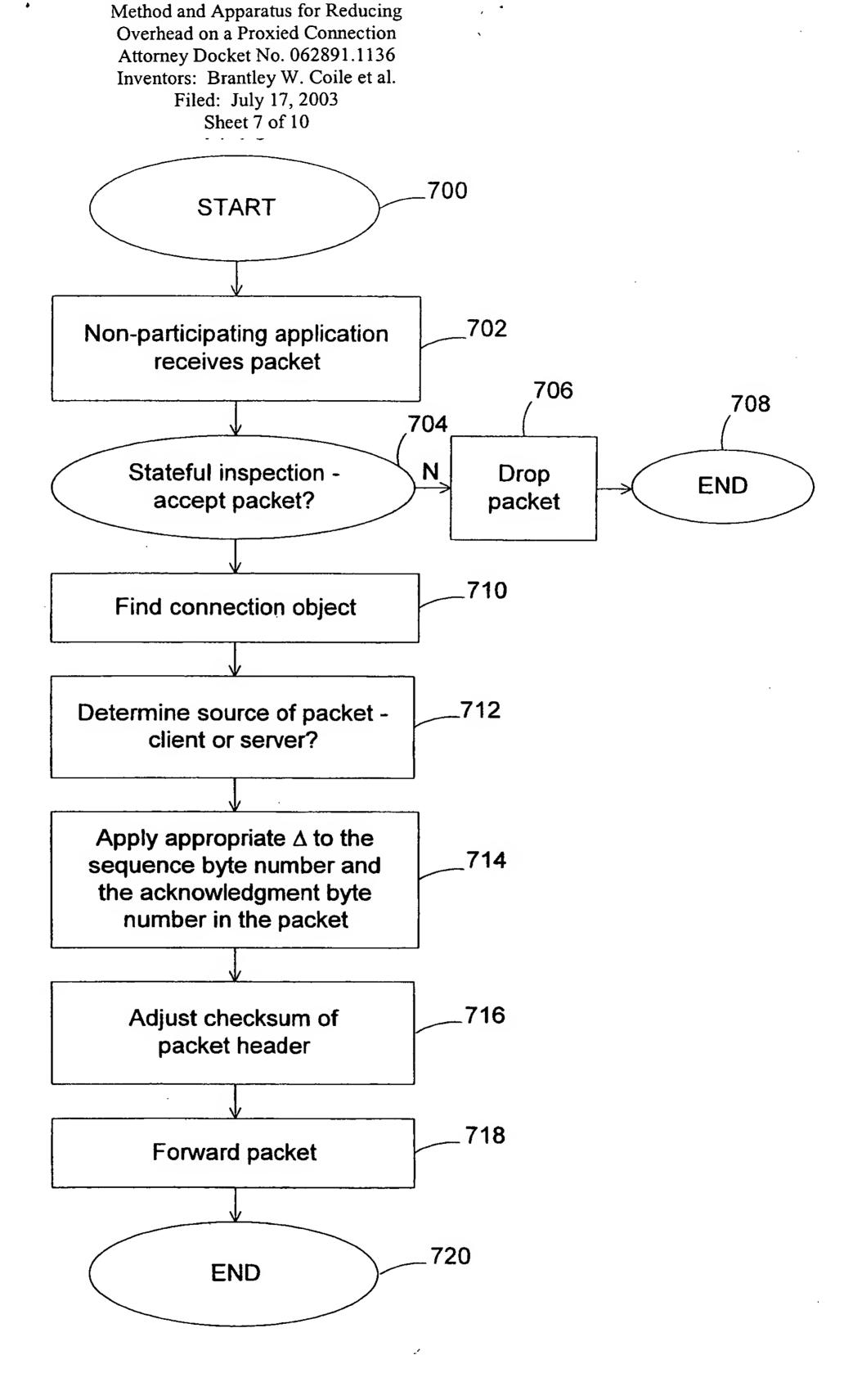
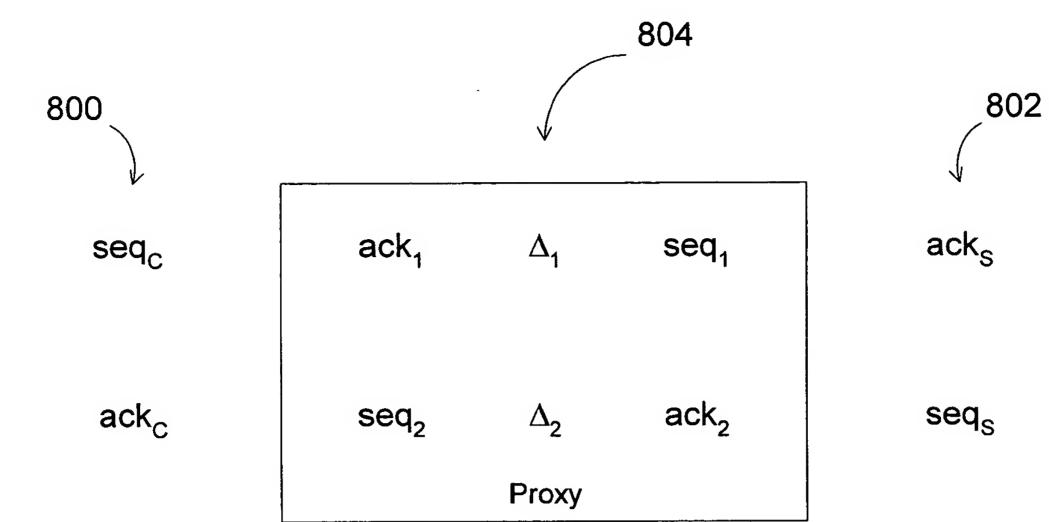


Fig. 7

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$$\Delta_1 = \text{seq}_1 - \text{ack}_1 = \text{ack}_S - \text{seq}_C$$

 $\Delta_2 = \text{seq}_2 - \text{ack}_2 = \text{ack}_C - \text{seq}_S$

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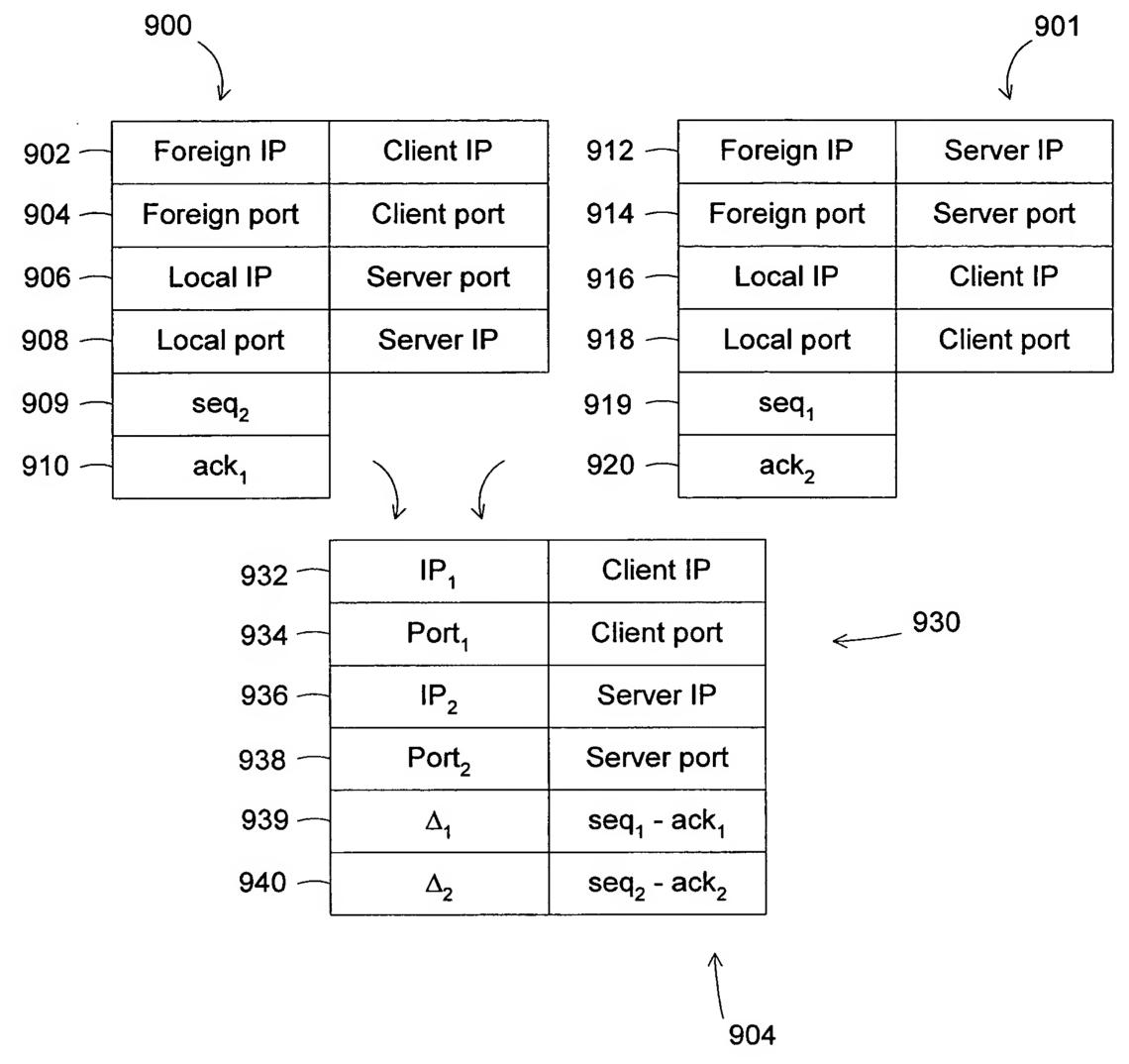


Fig. 9

Method and Apparatus for Reducing Overhead on a Proxied Connection Attorney Docket No. 062891.1136 Inventors: Brantley W. Coile et al. Filed: July 17, 2003 Sheet 10 of 10

